NT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8

SBRM0-93/15-16
A: 29-6-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260917

Serial No. 1st and final Bill

Name of Work ..... From BR-107/29-6-15 To .....

Name of Contractor of nature of Agency .....

Date of commencement of work D.O. Recording: 26/06/15

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of work:	Loop and Asphalting to Bapthong layout 5th, 6th, 7th and 8th Cross Road in Ward no. 03 of Uttarpara Sub-Division.					
	Estimated cost	Rs. 20.00 Lakh.					
	Work code/Job no	: 009-15-00043					
	Work order no	: EE/BTP/BJMP/E-Pont/10(16716)/WO/37/2015-16-Dt 22-04-2015.					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Agency : B. B. Umesh - Contractor.						
	Date of commencement : 23-04-2015						
	Date of completion :						
	(1) Earthwork Excavation by manual means ordinary soil, involving an average horizontal throw upto 2 m and an average lift upto 0.50 m, Excavated surface levelled and sides dressed, the disposed earth to be levelled neatly after breaking of clods etc complete as per specifications and directions						

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, et
1	2
	of Engineer
27	Consisting of 75mm thic picking up Serviceable

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
. 4mesh - Contractor.				
4-2015				
manual means including hoisting and throwing upto upto 0.300m, Excavated s dressed, the disposed by after breaking of clods ficers and directing				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260918

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	of Engineer in charge of Work.						
			Qty vide this MB. p 260972				
			It no. (1) :	480.984			40883.30
				e 85/43			
27	Scarifying existing stemmed layers upto 75mm thick along with thin bituminous surface picking up consisted materials and stacking at workable materials. With lead of sequential						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Spreading of the salvaged aggregates with fresh aggregates on prepared base, consolidating as per Water bound macadam specifications including cost of all labours complete as per specifications & directions of Engineer-in-charge of work.						
	Qty vide It no. (2) of this MB. P-2607		2445			e90/4	220050.00
3)	Providing, laying, spreading and compacting graded stone aggregate in wet mix macadam						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	specifications in Water bound Macadam in mixed material layers with pave prepared surface roller to achieve as per specifica charge of work.

ENT BOOK

...th	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...ggregates with fresh ..., consolidating as per ...fications including ... per specifications and ...arge of work. ...y vide It no. (2) of ...5 M.B. P. 2609...			2445 m² @ 90/m²	220050.00
...ing and compacting ...et mix macadam				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260919

Serial No. ....
Name of Work .... From.............................. To..............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	specifications including providing the material with water at OMC in mechanical mix and carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications and directions of engineer-in-charge of work.						
	Qty vide M.B. P. 260926						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			As per (1)		366.754 say 1500/47		550125.00
4)	Clearing the Earthy Hilly Road surface including removing of bindy material and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and or Compressed air to receive bitumenous treatment including costing all material, labour, hiring of machinery, complete complete as per specifications of directions of Jh						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Purpose Machay
9)	Earthern (Hard) Orange Road Co. no to 77.40
(b)	Road-2 Co. no to 84.00

ENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
no. (1) :		366.454 3e 1500/47	5,50125.00	
d surface including				
and other forces				
shall pick, sweep				
rushes and finally dust				
or Compressed air to				
work including costs				
of machinery, engine				
use of diesel oil				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260920

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Engage. Mr. charge of work.						
a)	Kapthegiri (part R/S 9 arrays Road [Co. no to 77.40 mts]	1	30.00	$\frac{5.4+4.6}{2}$	-	150.00	
		1	30.00	$\frac{4.6+4.8}{2}$	-	141.00	
		1	17.40	$\frac{4.8+5.1}{2}$	-	86.13	
b)	Road-2 (Co. no to 84.00 mts)	1	30.00	$\frac{4.8+4.3}{2}$	-	136.50	
		1	30.00	$\frac{4.3+4.3}{2}$	-	129.00	
		1	24.00	$\frac{4.3+4.9}{2}$	-	110.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(c) Road - 3 (0.00 to 84.90 m)	1	30.00	$\frac{4.8+4.5}{2}$		139.50	
		1	30.00	$\frac{4.5+4.4}{2}$		133.50	
		1	24.90	$\frac{4.4+5.1}{2}$		118.28	
		1	20.00	$\frac{3.7+3.2}{2}$		69.00	
	(d) Cross - Road (0.00 to 66.70 m)	1	33.70	$\frac{5.0+5.4}{2}$		175.24	
		1	33.00	$\frac{5.2+5.3}{2}$		173.25	
	(e) LHS 5m Cross	1	30.00	$\frac{5.3+4.6}{2}$		148.50	
		1	30.00	$\frac{4.6+5.0}{2}$		144.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	Pot holes

IENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
.00	4.8+4.5/2	-	139.50	
30.00	4.5+4.4/2	-	133.50	
24.90	4.4+5.1/2	-	118.20	
20.00	3.7+3.2/2		69.00	
33.70	5.0+5.4/2	-	175.24	
33.00	5.2+5.3/2		173.20	
30.00	5.3+4.6/2		148.50	
80.00	4.6+5.0/2		144.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260921

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	5.0+5.7/2		160.50	
		1	30.00	5.7+4.9/2		147.00	
		1	30.00	4.9+4.2/2		124.50	
		1	30.00	4.2+4.5/2		130.50	
		1	30.00	4.5+4.0/2		127.50	
		1	17.00	4.0+3.0/2		61.60	
	Pot holes	As per pre measurement mdo p.no 2				425.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7.	8
				Total		3030.90 m2	
			Less			3025.40 m2	36917.60
						@ 12.20/- m2	36300/-
						12.00	
5)	Providing and applying tack coat using 80/100 grade bitumen (VG-10) on the prepared black topped surface at 2.50 kg per 10 sq m, heating bitumen in boiler & filling with sprayer including costing all material, labour, hire of machineries etc complete as per specifications and directions of Engineer-incharge work.						
						Qty as per IT no-④	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
6)	Providing and laying ... using crushed ag... With bituminous b... hot mix to worksite ... finisher with rem... leveled alignment ... vibratory roll ...

...ENT BOOK

Dimensions			Contents	Reference to last Measurement
...gth 4	Breadth 5	Depth 6	7.	8
	Total		3030.90 m²	
...d to.			3025.40 m²	36917.00 (36300=)
			@ 12.20/m² (12.00)	
...h using 80/100 grade				
...d black topped surface				
...bituminous [illegible] filled				
...ing all material,				
...s etc complete as per				
...of engineer-in-charge				
Qty as per It no-(4)				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260922

Serial No. ....
Name of Work .... From.............................. To.................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		= 3025.40 m² @ 79/m²					238,975.00
	6) Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to worksite, laying with hydrostatic paver finisher with sensor control to the required grade level and alignment, Rolling with smooth wheeled vibratory and tandem-Roller to achieve the desired						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compacting as per morth specification clause no. 300.8 Complete in all respects as per Specification with 1no. 120 TPH Capacity Hmp with tandem pavers gr. II (25 mm to 30 mm) Dim 5 ft. CRMB- 55 grade, etc complete as per specification and directions of Engineer-in-charge of work.						
				Avg			
		1	12.40	2.75	0.025	0.82	
		1	11.90	2.90	0.025	0.86	
		1	13.25	2.75	0.025	0.91	
		1	18.20	2.90	0.025	1.31	
		1	15.20	3.10	0.025	1.17	
		1	14.75	3.20	0.025	1.18	
						6.25	

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(a) Kapthapura layout RHS. 9 angle Road (0.00 to 77.40)
	(b) Road-2 (0.00 to 0.84 mouth)

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
...ication Clause no. 300.8				
per Specification with				
With density passes				
...sq. CRMB-55 grade,				
...ing and directed by				
		Avg		
2.40	2.75	0.025	0.82	
1.90	2.90	0.025	0.86	
3.25	2.75	0.025	0.91	
8.20	2.90	0.025	1.31	
5.20	3.10	0.025	1.17	
4.75	3.20	0.025	1.19	
			6.25	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

260923

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6 Avg		
		1	13.10	2.95	0.025	0.96	
		1	10.90	2.90	0.025	0.70	
	(a) Taphatpani layout RHS. garage to Road (0.40 to 77.40)	1	30.40	$\frac{5.4+4.6}{2}$	0.025	3.75	CC FC
		1	30.40	$\frac{4.6+4.8}{2}$	0.025	3.53	
		1	17.40	$\frac{4.8+5.1}{2}$	0.025	2.10	
	(b) Road-2 (0.40 to 84.40 mts)	1	30.40	$\frac{4.8+4.3}{2}$	0.025	3.41	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
		1	30.40	4.30	0.025	3.39	
						23.984	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(c) Road - No. 3 [0.00 to 84.90 mts]	1	24.00	$\frac{4.3+4.8}{2}$	0.025	2.76	
		1	30.00	$\frac{4.8+4.5}{2}$	0.025	3.49	
		1	30.00	$\frac{4.5+4.5}{2}$	0.025	3.34	
		1	24.90	$\frac{4.4+3.1}{2}$	0.025	2.26	
		1	20.00	$\frac{3.7+3.2}{2}$	0.025	1.73	
	(d) Cross-Road [0.00 to 66.70]	1	33.70	$\frac{5.0+5.4}{2}$	0.025 =	4.38	
		1	33.00	$\frac{5.2+5.3}{2}$	0.025 =	4.33	
	(e) 4/s of 5th Cross	1	30.00	$\frac{5.3+4.6}{2}$	0.025 =	3.71	
		1	30.00	$\frac{4.6+5.0}{2}$	0.025 =	3.60	
						54.284	

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Pothole filling -

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
24.00	$\frac{4.3+4.8}{2}$	0.025	2.76	
30.00	$\frac{4.8+4.8}{2}$	0.025	3.49	
30.00	$\frac{4.5+4.8}{2}$	0.025	3.34	
24.90	$\frac{4.4+5.1}{2}$	0.025	2.86	
20.00	$\frac{3.7+3.2}{2}$	0.025	1.73	
33.70	$\frac{5.0+5.4}{2}$	0.025	= 4.38	
33.00	$\frac{5.2+5.3}{2}$	0.025	= 4.33	
30.00	$\frac{5.3+4.6}{2}$	0.025	= 3.71	
30.00	$\frac{4.6+5.0}{2}$	0.025	= 3.60	
			54.287	

C&FC

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

260924

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$\frac{5.0+5.3}{2}$	0.025 =	4.07	
		1	30.00	$\frac{5.1+4.8}{2}$	0.025 =	3.68	
		1	30.00	$\frac{4.1+4.2}{2}$	0.025 =	3.11	
		1	30.00	$\frac{4.2+4.8}{2}$	0.025 =	3.26	
		1	30.00	$\frac{4.6+4.8}{2}$	0.025 =	3.49	
		1	17.60	$\frac{4.0+4.3}{2}$	0.025 =	1.54	
	Pothole filling -	as per. premeasurement note.				10.20	
		If no.				83.27	

C&FC

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Ud Lo		83.19	
						~~85.84 m³~~	
						@ 1150/m³	
	7) Lead for Disposal of debris shall be payable as Carriage rate by mechanical mean including loading and unloading etc complete as per specifications and directions of Engineer-in-charge of Work						
						Qty as per Item No. 02	480.984 m³
						Ud Lo.	379.404 m³
						@ 78/m³	29562.00

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate
	(1) Certified th
	dme dat
	(2) the contra
	Work site

…MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
			83.19	
	Udd b		~~85.44~~ m^3	956685.00
			@ 115.00/ m^3	
…es shall be payable at				
…l mean including loading				
… as per specifications and				
…-charge of work				
Qty side item No. ① = 480.98 m^3				
	Udd b.		379.00 m^3	29562.00
			@ 78/ m^3	

M. A. R. 57 (Rule 116)
Measurement Book

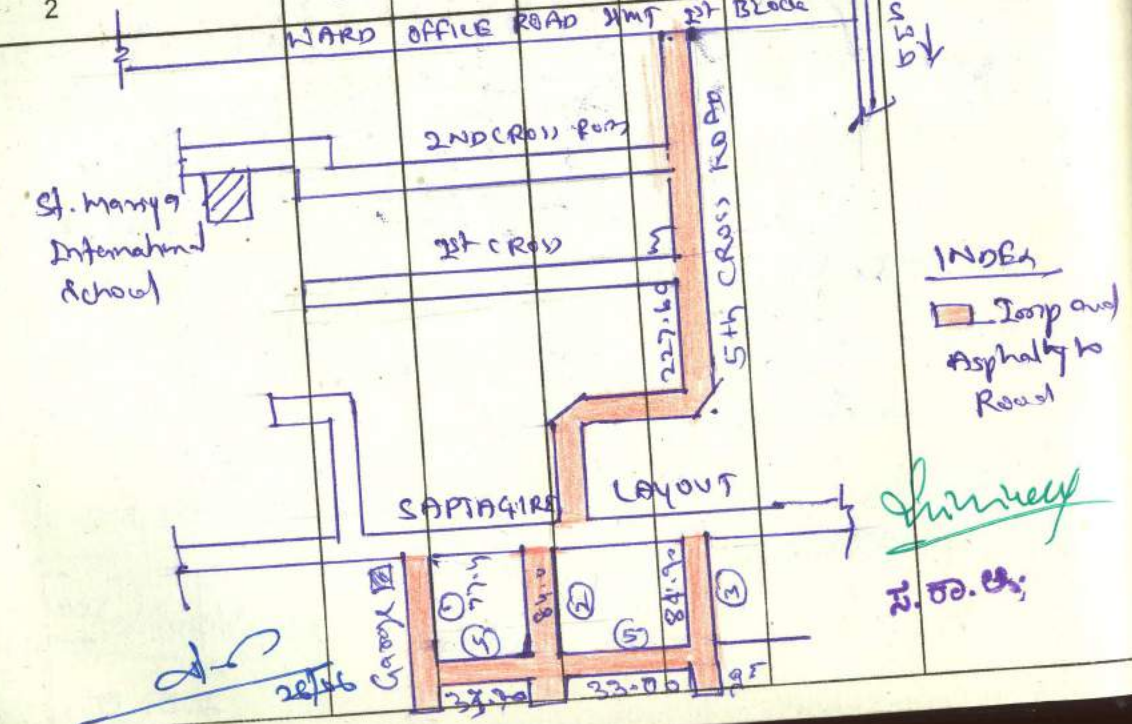
No. B 260925

Serial No. ....
Name of Work .... From.................................. To...................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs	20,72,580.30
	Certificate						
	① Certified that the contractor has works done satisfactorily						
	② The contractor has removed the debris from work site						
	[illegible] 28/06					[illegible]	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

2072584
151
19,20,965=00

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
OFFICE ROAD			Block	
2ND CROSS ROAD				
1ST CROSS				
227.60			5th CROSS ROAD	
APIAGIRI	LAYOUT			
84.90				
33.00				

INDEX

Temp and Asphalting Road

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260926

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2072580=00						
	151615=00						
	19,20,965=00						
	IT - 20726						
	VAT - 8703						
	CMC - 20726						
	CGF - 2073						
	Roy - 25187						
	TOTAL - 151615=00						